

Name _____ Date _____

2.2D SIMPLIFYING RADICAL EXPRESSIONS

Simplify each radical expression

1. $\sqrt{90} =$
2. $\sqrt[3]{192} =$
3. $\sqrt{125a^{13}} =$
4. $\sqrt[3]{250a^{11}} =$
5. $\sqrt{80a^{19}} =$
6. $\sqrt[3]{-108a^{20}} =$
7. $\sqrt{72a^{11}b^5} =$
8. $\sqrt[3]{48a^{22}b^{14}} =$
9. $\sqrt{52a^{12}b^9c^{15}} =$
10. $\sqrt[3]{81a^{10}b^{28}c^6} =$
11. $\sqrt{96a^{17}b^8c^{18}} =$
12. $\sqrt[3]{54a^8b^{16}c^{18}} =$
13. $\sqrt{\frac{81}{36}} =$
14. $\sqrt{\frac{216a^{16}}{8a^7}} =$
15. $\sqrt{\frac{192a^{19}b^{14}}{6a^{11}b^7}} =$
16. $\sqrt{\frac{216a^{19}b^{11}}{12a^{14}b^9}} =$
17. $\sqrt{\frac{96a^{12}b^7}{8a^5b^2}} =$
18. $\sqrt{\frac{162a^{23}b^{13}}{6a^7b^9}} =$